

PA106/G/28715/25 - JUSTICE KIPTOO CHIRCHIR

Number Guessing Game (C Program)

```
#include <stdio.h>
#include <stdlib.h>
#include <time.h>

int main() {
    int secret, guess, attempts = 0;

    srand(time(0)); // Seed for random number
    secret = rand() % 20 + 1; // Random number between 1 and 20

    printf(" PA106/G/28715/25 - JUSTICE KIPTOO CHIRCHIR\n");
    printf("          NUMBER GUESSING GAME\n");
    printf("=====\\n\\n");

    printf("Guess a number between 1 and 20: ");
    scanf("%d", &guess);
    attempts++;

    while (guess != secret) {
        if (guess < secret) {
            printf("Too low! Try again: ");
        } else {
            printf("Too high! Try again: ");
        }
        scanf("%d", &guess);
        attempts++;
    }

    printf("Congratulations! You guessed the number in %d attempts.\\n", attempts);
    return 0;
}
```